INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/004255

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER C23C14/04 B01J19/00 C23C16/	04 C23C14/04						
According to	International Patent Classification (IPC) or to both national classific	cation and IPC						
	SEARCHED	and i o						
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C23C								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic d	ata base consulted during the international search (name of data base	ase and, where practical, search terms used						
EPO-Internal, COMPENDEX, INSPEC, PAJ, WPI Data								
C. DOCUM	NTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where appropriate, of the re	levant passages	Relevant to claim No.					
X	US 3 520 716 A (HIROAKI OKAMOTO 14 July 1970 (1970-07-14) column 3, line 11 - column 7, line 11 - column 7, line 11 - column 7, line 12		1-4					
X	US 2 676 114 A (BARKLEY DWIGHT W 20 April 1954 (1954-04-20) column 3, line 9 - column 7, line claims 1-6; figures 1-10	1-4						
X	US 4 776 938 A (ABE ET AL) 11 October 1988 (1988-10-11) column 2, line 61 - column 3, line claims 1,5; figures 1,8	1-3						
	-	-/ 						
X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed in	annex.					
° Special cat	egories of cited documents :	"T" later document published after the inter	national filing date					
conside	nt defining the general state of the art which is not pred to be of particular relevance ocument but published on or after the International	or priority date and not in conflict with to cited to understand the principle or the invention "X" document of particular relevance; the classifications in the conflict of	he application but ory underlying the					
filing da	ate nt which may throw doubts on priority claim(s) or	cannot be considered novel or cannot l	be considered to					
which i citation	*L' document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another citation or other special reason (as specified) *Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the							
Other m	O' document referring to an oral disclosure, use, exhibition or document is combined with one or more other such documents, such combination being obvious to a person skilled							
P docume later th	nt published prior to the international filing date but an the priority date claimed	in the art. "&" document member of the same patent for	amily					
Date of the a	ctual completion of the international search	Date of mailing of the international search	ch report					
10	March 2005	21/03/2005						
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer						
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Lavéant, P						

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004255

		PC1/GB2004/004255		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 4 469 719 A (MARTIN ET AL) 4 September 1984 (1984-09-04) column 7, line 67 - column 11, line 50; claims 1-3,7; figures 3-11	1-4		
A	column 7, line 67 - column 11, line 50; claims 1-3,7; figures 3-11 US 6 045 671 A (WU ET AL) 4 April 2000 (2000-04-04) cited in the application the whole document	1-4		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2004/004255

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 3520716	A	14-07-1970	NONE		
US 2676114	Α	20-04-1954	NONE		
US 4776938	Α	11-10-1988	JP	1754620 C	23-04-1993
			JP	4047891 B	05-08-1992
			JP	62082516 A	16-04-1987
			JP	62082517 A	16-04-1987
			KR	9007484 B1	10-10-1990
			US	4808489 A	28-02-1989
US 4469719	A	04-09-1984	NONE		
US 6045671	A	04-04-2000	CA	2254460 A1	24-05-2000
			US	5985356 A	16-11-1999
			US	5776359 A	07-07-1998
			EP	0917494 A1	26-05-1999
			JP	2000503753 T	28-03-2000
			WO	9847613 A1	29-10-1998
			AU	3957795 A	06-05-1996
			CA CN	2202286 A1 1181055 A ,C	25-04-1996
			EP	1442788 A2	06-05-1998
			EP	1442788 AZ 1479435 A1	04-08-2004 24-11-2004
			ĒΡ	1481726 A1	01-12-2004
			ĒΡ	0789671 A1	20-08-1997
			ĒΡ	1002572 A2	24-05-2000
			ĒΡ	1002573 A2	24-05-2000
			EP	0992281 A2	12-04-2000
			JP	10512840 T	08-12-1998
			JP	2004163418 A	10-06-2004
			NO	971777 A	18-06-1997
			US	2002119243 A1	29-08-2002
			WO	9611878 A1	25-04-1996
			US	6410331 B1	25-06-2002
			US	6346290 B1	12-02-2002
			US	6420179 B1	16-07-2002
			US	2003134089 A1	17-07-2003
			US	2003100119 A1	29-05-2003
			US US	2003219906 A1 6419881 B1	27-11-2003
			US	6440745 B1	16-07-2002 27-08-2002
			US	2004014077 A1	22-01-2004
			US	6004617 A	21-12-1999
			US	6326090 B1	04-12-2001
			US	6649413 B1	18-11-2003
			US	6686205 B1	03-02-2004
			US	2004154704 A1	12-08-2004
			ÜS	2001055669 A1	27-12-2001